10/675,918

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S229	949	(715/517).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/27 14:15
S230	235	(715/522).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/27 14:15
S231	3112	(715/513).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/27 14:41
S232	464	(715/511).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/27 14:15
S233	1459	(715/501.1).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/27 14:15
S234	424	(715/760).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/27 14:15
S235	171	(700/101).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/27 14:15
S236	1611	style with (tree node)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 14:46
S237	20	binary with style with (tree node)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 15:01
S238	199	node with (includ$5 present$5 represent$5) with style	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 16:11

EAST Search History

S239	18	compress$5 with (Html xml) same style	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 15:23
S240	75	browser with print$5 with check$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 08:29
S241	3	browser with print$5 with margin$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 08:29
S242	246	compress$5 with (Html xml) and style	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 15:42
S243	62	binary with (Html xml) same style	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:24
S244	221	dom with (Html xml) same style	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:36
S247	15350	no$1adj parser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:37
S248	90	no$1 adj parser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:38
S249	365	without adj pars$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:38
S250	1101	(compress$5 and style and validat$5 and server and client)	US-PGPUB	OR	ON	2007/03/05 07:09
S255	9	compress$5 with (xml dom) same style	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 15:18

EAST Search History

S256	10	compress$5 with (html) same style	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 13:12
S257	4	compress$5 with (markup mark-up) same style	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 12:59
S258	4	compress$5 with gzip with binary	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 13:14
S259	16	gzip with binary	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 13:14
S260	36	compress$5 with (xml dom html markup mark-up) same binary and style	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 15:03
S262	9	validat$5 with compress$5 same binary	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 15:15
S263	19	validat$5 with compress$5 with (xml html markup mark-up)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 15:07
S264	13	validat$5 with binary with (xml html markup mark-up)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 15:11
S265	602	validat$5 with binary	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 15:08
S266	55	validat$5 with binary with file	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 15:09
S267	3	validat$5 with binary with file with server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 15:10

EAST Search History

S268	12	validat$5 with binary with server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 15:12
S269	28	validat$5 with compress$5 with server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 15:14
S270	660	(709/247).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 15:14
S271	49	validat$5 with compress$5 with file	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 15:15
S272	327	compress$5 with (xml dom) same format$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 15:18
S274	3	dom with node with represent$5 with style	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 15:20
S275	15	tree with node with represent$5 with style	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 16:12
S277	37	validat$5 with binary with error	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 16:12
S278	1	validat$5 with binary with error with server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 16:13
S279	3	validat$5 with binary with error same server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 16:14
S280	28	validat$5 with compress$5 with server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 16:16

EAST Search History

S282	125	validat$5 with pars$5 with server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 16:17
S283	9	validat$5 with (compress$5 binary) with pars$5 with server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 16:18
S284	245	error with free with binary	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 16:20
S285	2	error with free with binary with server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 16:21
S286	4	error with free with binary same server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 16:26
S287	22	parsing with binary same server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 16:36
S288	44	seriali$5 with binary same server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 16:41
S289	2	seriali$5 same validat$5 same binary same server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 16:42
S290	108	validat$5 same binary same server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 16:54
S292	10	sax with api with client	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 16:57
S294	77	compress$5 with pars$5 with binary	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 17:07

EAST Search History

S295	7365	binary with (dom tree)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 09:22
S296	414	(conver$5 translat$5) with binary with (dom tree)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:00
S298	7	(conver$5 translat$5) with binary with (dom)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:01
S299	7	(conver$5 translat$5) with binary with ((html xml) and tree)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:01
S300	17	(conver$5 translat$5) with binary same ((html xml) and tree)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:01
S301	22	(conver$5 translat$5) with binary same (dom)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/07 10:47

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6	compress$5 with xml with dom	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 15:43
L2	5	decompress$5 with xml with dom	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 15:43
L6	7	decompress$5 with dom	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 15:44
L7	260	decompress$5 with tree	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 15:45
S292	86	validat$5 with server with before with client	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 14:04
S294	40	validat$5 with (compress$5 binary) with server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/08 14:05

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S258	1134	pars$5 with binary	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 10:20
S259	41	pars$5 with binary same style	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 10:21
S260	1	validat$5 with binary same style	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 10:22
S262	14	validat$5 with binary same (html xml)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 10:22
S263	600	validat$5 with binary	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 11:58

Interference Search 10/675,918

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S251	0	(compress$5 and style and validat$5 and server and client).clm.	US-PGPUB	OR	ON	2007/03/05 07:09
S252	2	(stream$5 and style and validat$5 and server and client).clm.	US-PGPUB	OR	ON	2007/03/05 07:10
S253	0	(serili$5 and style and validat$5 and server and client).clm.	US-PGPUB	OR	ON	2007/03/05 07:10
S254	1	(binary and style and validat$5 and server and client).clm.	US-PGPUB	OR	ON	2007/03/05 07:10

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convert* binary dom Search Advanced Search Preferences

Web Results 1 - 10 of about **612,000** for **convert* binary dom**. (**0.38** seconds)

Millau: a **binary** encoding format for XML documents
The second one creates what we call a BDOM tree (**Binary DOM** tree). ... For example, to **convert** strings into tokens quickly, strings must be found quickly in ...
www9.org/w9cdrom/154/154.html - 85k - Supplemental Result - Cached - Similar pages

Report From the W3C Workshop on **Binary** Interchange of XML ...
Steve Williams, HPT: **Binary DOM** [need not be] isomorphic with infoset ... Transmitted fomat shall be easy to **convert** to/from native XML Schema data types ...
www.w3.org/2003/08/**binary**-interchange-workshop/Report.html - 69k - Supplemental Result - Cached - Similar pages

XML **Binary** Characterization Use Cases
Using XML format requires that a reader extract the string information and **convert** it to a **binary** representation. This is a computationally expensive ...
www.w3.org/TR/xbc-use-cases/ - 250k - Supplemental Result - Cached - Similar pages

Will **DOM convert** Base64 into **binary**?
And I construct a **DOM** and pass it between Java classes. And my question is Will **DOM convert** the Base64 data into **binary**? Thanks a lot! DrClap Posts:27983 ...
forum.java.sun.com/thread.jspa?threadID=630266&messageID=3628380 - 23k - Supplemental Result - Cached - Similar pages

12.13 binascii -- **Convert between binary** and ASCII
... 13.8 xml.**dom**.pulldom -- Support for building partial **DOM** trees ... **Convert binary** data to a line of ASCII characters, the return value is the converted ...
www.vislab.uq.edu.au/users/manuals/python.2.4/lib/module-binascii.html - 108k - Supplemental Result - Cached - Similar pages

Cover Pages: Extensible Markup Language (XML)
Available as PDF, or MS Word, in Win 32 self-extracting **binary**. ... W3C Document Object Model (**DOM**), Level 1 Specification. [CR: 19990106] ...
xml.coverpages.org/xml.html - 250k - Supplemental Result - Cached - Similar pages

sridhar's bookmarks tagged with "**binary**" on del.icio.us
sridhar's items tagged **binary** → view all, popular ... 3 contextmenu; 1 control_panel; 1 conversate; 2 conversion; 3 **convert**; 20 **converter**; 2 convertor ...
del.icio.us/sridhar/**binary** - 122k - Supplemental Result - Cached - Similar pages

sridhar's bookmarks tagged with "**DOM**" on del.icio.us
... 1 bills; 2 **binary**; 1 birthday; 1 BitDefender; 21 BitTorrent; 1 bitty ... to CSS JavaScript DHTML **DOM** ... saved by 1563 other people ... on jan 09, 2005 ...
del.icio.us/sridhar/**DOM** - 122k - Supplemental Result - Cached - Similar pages

[PDF] The Use of ASN.1 Encoding Rules for **Binary** XML
File Format: PDF/Adobe Acrobat - View as HTML
Document Object Model (**DOM**) is a W3C standard [**DOM**] that defines a tree-structure ... **binary** implementations including gzip compression **convert** the textual ...
www.obj-sys.com/docs/ASN1forBinXML.pdf - Supplemental Result - Similar pages

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Web

Results 1 - 10 of about 103 for translat* binary dom. (0.45 seconds)

[PDF] Style Translation for Human Motion
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mated with system identification, our system is capable of **translat**- ... tions are computed for each foot, using classes defined by **binary** ...
people.csail.mit.edu/ehsu/work/sig05stf/paper_x1a.pdf - Supplemental Result - Similar pages

[PDF] Isomorph-Free Model Enumeration: A New Method for Checking ...
File Format: PDF/Adobe Acrobat - View as HTML
Data structures can be expressed with **binary** relations, and operations over such ... These results were obtained by **translat**- ...
people.csail.mit.edu/dnj/publications/toplas98.pdf - Supplemental Result - Similar pages

[PS] Pizza into Java: Translating theory into practice
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Pizza attempts to make these ideas accessible by **translat**-. ing them into Java. We mean that both guratively and. literally, because Pizza is dened by ...
lampwww.epfl.ch/~odersky/papers/popl97.ps.gz - Supplemental Result - Similar pages

[PDF] Temporal logics Course 2-8 MPRI 2005/06
File Format: PDF/Adobe Acrobat - View as HTML
above-mentioned correspondences are the basis for **translat**- ... The domino problem **DOM** can be easily reduced to SAT(LTL). as illustrated by the proof below. ...
www.lsv.ens-cachan.fr/~demri/C2.8-temporal-logics.pdf - Supplemental Result - Similar pages

[PS] Local Velocity Representation: Evidence from Motion Adaptation ...
File Format: Adobe PostScript - View as Text
this has been used throughout the literature to refer to a **binary** quantity ... However, because of the stimuli employed in these previous studies (**translat**- ...
www.cns.nyu.edu/pub/lcv/schrater97.ps.gz - Supplemental Result - Similar pages

SourceForge.net: phpmyadmin-users
$cfgProtectBinary = "blob"; // disallow editing of **binary** fields // valid values are: ... It seems **DOM**/DHTML implementation has been widely ...
sourceforge.net/mailarchive/forum.php?forum_id=2139&max_rows=25&style=nested&viewmonth=200204 - 86k - Supplemental Result - Cached - Similar pages

SourceForge.net: phpmyadmin-cvs
... phpmyadmin-trk-patches; phpmyadmin-trk-support; phpmyadmin-trk-**translat** ...
$day_of_week = array("**Dom**", "Lun", "Mar", "Mer", "Gio", "Ven", "Sab"); ...
sourceforge.net/mailarchive/forum.php?forum_id=8125&max_rows=25&style=flat&viewmonth=200207 - 196k - Supplemental Result - Cached - Similar pages

Mailing list archives

images/ resources/ resources/themes/ resources/themes/common/ resources/themes/common/html/ skin/ skin/css/ skin/images/ skin/scripts/ skin/**translat**. ...
mail-archives.apache.org/mod_mbox/forrest-svn/200607.mbox/%

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Results **1** - **2** of about **3** for **validat* binary xml** . (**0.35** seconds)

The Now Economy: July 2004 Archives
With DTD **validat**. 22.64 sec 59.23 sec 494.97 sec **Validat**. Overhead 102.32% 41.33% 20.52% ... **Binary XML**. **Binary XML** formats encode parsed **XML** documents ...
blog.commerce.net/archives/2004/07/index.html - 46k - Supplemental Result - Cached - Similar pages

IBM - IBM WebSphere MQ Integrator V2.1 Fix Pack History
IY68542 - DFE ABENDS WHEN SELECTING > 256 BYTE **BINARY** DATA. ... 27958 - SWIFT:VAL: MT600 failis **validat**'n seqB missing but seqC present ...
www-1.ibm.com/support/docview.wss?uid=swg27007452 - 133k - Supplemental Result - Cached - Similar pages

In order to show you the most relevant results, we have omitted some entries very similar to the 2 already displayed.
If you like, you can repeat the search with the omitted results included.

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Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

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validat* binary server | Search | Advanced Search Preferences

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Results 1 - 10 of about 786 for validat* binary server. (0.37 seconds)

Tip: Save time by hitting the return key instead of clicking on "search"

RFC 3029 (rfc3029) - Internet X.509 Public Key Infrastructure Data ...

The Data Validation and Certification **Server** is a Trusted Third Party (TTP) ... with Content-Type application/dvcs (and with the default **binary** encoding). ...
www.faqs.org/rfcs/rfc3029.html - 103k - Supplemental Result - Cached - Similar pages

NAME

If the **server** does not receive a certifi- cate, the authentication fails. ... If saf is specified, RACF/SAF is used for **validat**- ing client host ...
www.ssh.com/documents/32/sshd2_config_zos53.html - 63k - Supplemental Result - Cached - Similar pages

draft-ietf-pkix-ocspv2-02 - TABLE OF CONTENTS

Minimally, the relationship between a DPV client and a DPV **server** is an ... body of the message is the **binary** value of the DER encoding of the OCSPRequest. ...
tools.ietf.org/html/draft-ietf-pkix-ocspv2 - 70k - Supplemental Result - Cached - Similar pages

[PDF] Enscript Output

File Format: PDF/Adobe Acrobat - View as HTML
complexity to a centralized **server**, thereby yielding benefits to thin clients ... the body of the message is the **binary** value of the DER encoding of ...
tools.ietf.org/pdf/draft-ietf-pkix-ocspv2-02.pdf - Supplemental Result - Similar pages

US Military Abbreviations, Acronyms, Terms and Organizations

DEMVAL : Demonstration and **Validat** ... DEN : Data Element Number ... EBCDIC : extended **binary** coded dec ... EBES : Exercise Briefing and Eva
www.globemaster.de/regabbre1.html - 154k - Supplemental Result - Cached - Similar pages

[PDF] Control-Flow Integrity

File Format: PDF/Adobe Acrobat - View as HTML
way, for example by checking stack integrity and **validat**-. ing function returns [14,42], ... less overhead for I/O-driven **server** workloads. For exam- ...
www.cs.princeton.edu/~jligatti/papers/MSR-TR-2005-18.pdf - Supplemental Result - Similar pages

[minion-cvs] Last round (I hope) of code tweaks before 0.0.1. Only ...

validAt = mixminion.Common.previousMidnight(**validAt**+30) validUntil = **validAt** + config ['**Server**']['PublicKeyLifetime'][2] certStarts = **validAt** ...
archives.seul.org/mixminion/cvs/Dec-2002/msg00046.html - 70k - Supplemental Result - Cached - Similar pages

Mailing list archives

... .xml,/WEB-INF/validation.xml,/WEB-INF/**validat** ion_nbbc.xml" /> </plug-in> <plug-in ... Type = WebAppComponentConfig - > Targeted on > this **server** but, ...
mail-archives.apache.org/.../struts-user/200412.mbox/%3COJEDJMPOKIPEHGNAFOPJAEDHEIAA.humble@ix.netcom.com%3E - 61k - Supplemental Result - Cached - Similar pages

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1001newsgroups.com microsoft.public.macintosh.general - - Free ...
Connecting to a Microsoft L2TP VPN **server** using Mac OS 10.4 with certificates ... What application do I choose to open this download,Windows **Validat** ...
1001newsgroups.1001annonces.com/lmess.php?name=microsoft.public.macintosh.general - 250k - Supplemental Result - Cached - Similar pages

or any html editor! freeware, shareware, demo, software downloads ...
CSE HTML **Validat**or will help you locate and FIX problems ... to deprecated and proprietary tags and ... **Compress** HTML - removes characters that would
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[PDF] Xcell Journal: Issue 57, Second Quarter 2006
File Format: PDF/Adobe Acrobat - View as HTML
server markets. We then focused our. efforts on developing products and solu- ... because you can **compress** some of the. PWE3 information into one control ...
www.xilinx.com/publications/xcellonline/xcell_57/xc_pdf/xcell57_all.pdf - Supplemental Result - Similar pages

Board Message
iBiz **Server** 3.0 HTML-Optimizer X ... Google Reader Not... TeXMLMate 1.4 ... dupa inregistrare sau schimbare adresa e-mail, ati **validat** adresa noua prin ...
forum.softpedia.com/index.php?act=post&do=reply_post&f=112&t=108483 - 27k - Supplemental Result - Cached - Similar pages

Name: php * Description: PHP programming language. * * Author ...
importno|xinclu)d|normaliz|**validat**)e)|element_(get(attribute(n(ode(ns)? ... (abl|yp) e|flags|len|name|seek)|ree_result)|get_((clien|hos)t|proto|**server**)_info| ...
home.raxnet.net/downloads/viewcvs/php.st - 35k - Supplemental Result - Cached - Similar pages

Support for html
A sample command line is shown below: httperf **server** hostname port 80 uri ... **validat**... ...octype switching, selecting an X HTML flavor remains the most ...
www.webhostingwit.com/support/html.html - 94k - Supplemental Result - Cached - Similar pages

[minion-cvs] Logging, doccing, testing, debugging. Towards an 0.0.1...
Must **compress** to under 28K-22b. - exitType: The routing type for the final node + If ... targetKeyID, packetList): """Sends a list of messages to a **server**. ...
archives.seul.org/mixminion/cvs/Dec-2002/msg00029.html - 78k - Supplemental Result - Cached - Similar pages

General RPG [Archive] - Page 16 - System iNetwork Forums
Expand field definitions; **Compress** Data; STRDBG; Scan String ... UPDPGM question; performance of setll vs chain for record **validat**; Debug on the AS400 ...
www.systeminetwork.com/isnetforums/archive/index.php?f-63-p-16.html - 22k - Supplemental Result - Cached - Similar pages

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[PDF] Native XML Support in DB2 Universal Database
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Before XML Schemas and DTDs can be used for **validat-**. ing documents, they need to be registered ... then returns a **binary stream** with the XML value encoded ...
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One would expect to define event receivers AND emittors on the **server** side ... Bugfix: DataURLs of none **binary** content are not properly encoded and decoded ...
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1 Industry session 1: information retrieval: XML parsing: a threat to database performance
Matthias Nicola, Jasmi John
November 2003 **Proceedings of the twelfth international conference on Information and knowledge management CIKM '03**
Publisher: ACM Press
Full text available: pdf(210.86 KB) Additional Information: full citation, abstract, references, citings, index terms

XML parsing is generally known to have poor performance characteristics relative to transactional database processing. Yet, its potentially fatal impact on overall database performance is being underestimated. We report real-word database applications where XML parsing performance is a key obstacle to a successful XML deployment. There is a considerable share of XML database applications which are prone to fail at an early and simple road block: XML parsing. We analyze XML parsing performance an ...

Keywords: DOM, SAX, XML, database, parser, performance, validation

2 Tutorials: tutorial 1: XML and relational database management systems: inside Microsoft® SQL Server™ 2005
Michael Rys
June 2005 **Proceedings of the 2005 ACM SIGMOD international conference on Management of data SIGMOD '05**
Publisher: ACM Press
Full text available: pdf(324.86 KB) Additional Information: full citation, abstract, references, citings

Microsoft® SQL Server™ has a long history of XML support dating back to 1999. While first concentrating on enabling the transport of relational data via XML with the SQL Server 2000 release, SQL Server 2005 now additionally provides native XML storage and query support. This part of the tutorial will provide an insight into how SQL Server 2005 fits XML functionality into its core relational database management framework.

3 Tutorials: tutorial 1: Towards an enterprise XML architecture
Ravi Murthy, Zhen Hua Liu, Muralidhar Krishnaprasad, Sivasankaran Chandrasekar, Anh-Tuan Tran, Eric Sedlar, Daniela Florescu, Susan Kotsovolos, Nipun Agarwal, Vikas Arora, Viswanathan Krishnamurthy
June 2005 **Proceedings of the 2005 ACM SIGMOD international conference on**

Management of data SIGMOD '05
Publisher: ACM Press
Full text available: pdf(260.60 KB) Additional Information: full citation, abstract, references, citings

XML is being increasingly used in diverse domains ranging from data and application integration to content management. Oracle provides an enterprise wide platform for managing all types of XML content. Within the Oracle database and the application server, the XML content can be efficiently stored using a variety of storage and indexing methods and it can be processed using multiple standard languages within different programmatic environments.

4 Algorithms and programming models for efficient representation of XML for Internet applications
Neel Sundaresan, Reshad Moussa
April 2001 **Proceedings of the 10th international conference on World Wide Web WWW '01**
Publisher: ACM Press
Full text available: pdf(352.97 KB) Additional Information: full citation, references, citings, index terms

Keywords: DOM, SAX, WBXML, XML, compression

5 Vinci: a service-oriented architecture for rapid development of web applications
Rakesh Agrawal, Roberto J. Bayardo, Daniel Gruhl, Spiros Papadimitriou
April 2001 **Proceedings of the 10th international conference on World Wide Web WWW '01**
Publisher: ACM Press
Full text available: pdf(472.82 KB) Additional Information: full citation, references, citings, index terms

6 Managing periodically updated data in relational databases: a stochastic modeling approach
Avigdor Gal, Jonathan Eckstein
November 2001 **Journal of the ACM (JACM)**, Volume 48 Issue 6
Publisher: ACM Press
Full text available: pdf(466.73 KB) Additional Information: full citation, abstract, references, citings, index terms

Recent trends in information management involve the periodic transcription of data onto secondary devices in a networked environment, and the proper scheduling of these transcriptions is critical for efficient data management. To assist in the scheduling process, we are interested in modeling *data obsolescence*, that is, the reduction of consistency over time between a relation and its replica. The modeling is based on techniques from the field of stochastic processes, and provides several ...

Keywords: Data obsolescence, database replication management, obsolescence cost, stochastic modeling

7 Reasoning about static and dynamic properties in alloy: A purely relational approach
Marcelo F. Frias, Carlos G. López Pombo, Gabriel A. Baum, Nazareno M. Aguirre, Thomas S. E. Maibaum
October 2005 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 14 Issue 4

Publisher: ACM Press

Full text available: pdf(656.84 KB) Additional Information: full citation, abstract, references, citings, index terms

We study a number of restrictions associated with the first-order relational specification language Alloy. The main shortcomings we address are:---the lack of a complete calculus for deduction in Alloy's underlying formalism, the so called relational logic,---the inappropriateness of the Alloy language for describing (and analyzing) properties regarding execution traces.The first of these points was not regarded as an important issue during the genesis of Alloy, and therefore has not been taken ...

Keywords: Alloy, fork algebras, relational specifications

8 A fine-grained access control system for XML documents

Ernesto Damiani, Sabrina De Capitani di Vimercati, Stefano Paraboschi, Pierangela Samarati
May 2002 **ACM Transactions on Information and System Security (TISSEC)**, Volume 5 Issue 2
Publisher: ACM Press

Full text available: pdf(330.60 KB) Additional Information: full citation, abstract, references, citings, index terms

Web-based applications greatly increase information availability and ease of access, which is optimal for public information. The distribution and sharing of information via the Web that must be accessed in a selective way, such as electronic commerce transactions, require the definition and enforcement of security controls, ensuring that information will be accessible only to authorized entities. Different approaches have been proposed that address the problem of protecting information in a Web ...

Keywords: Access control, World Wide Web, XML documents, authorizations specification and enforcement

9 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research CASCON '97**
Publisher: IBM Press

Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

10 Formalising Java RMI with explicit code mobility

Alexander Ahern, Nobuko Yoshida
October 2005 **ACM SIGPLAN Notices , Proceedings of the 20th annual ACM SIGPLAN conference on Object oriented programming, systems, languages, and applications OOPSLA '05**, Volume 40 Issue 10
Publisher: ACM Press

Full text available: pdf(293.03 KB) Additional Information: full citation, abstract, references, index terms

This paper presents a Java-like core language with primitives for object-oriented distribution and explicit code mobility. We apply our formulation to prove the correctness of several optimisations for distributed programs. Our language captures crucial but often

hidden aspects of distributed object-oriented programming, including object serialisation, dynamic class downloading and remote method invocation. It is defined in terms of an operational semantics that concisely models the behaviour of ...

Keywords: Java, RMI, code mobility, distribution, optimisation, runtime, types

11 Data integrity: Web application security assessment by fault injection and behavior monitoring

Yao-Wen Huang, Shih-Kun Huang, Tsung-Po Lin, Chung-Hung Tsai

May 2003 **Proceedings of the 12th international conference on World Wide Web WWW '03**

Publisher: ACM Press

Full text available: pdf(4.53 MB) Additional Information: full citation, abstract, references, citings, index terms

As a large and complex application platform, the World Wide Web is capable of delivering a broad range of sophisticated applications. However, many Web applications go through rapid development phases with extremely short turnaround time, making it difficult to eliminate vulnerabilities. Here we analyze the design of Web application security assessment mechanisms in order to identify poor coding practices that render Web applications vulnerable to attacks such as SQL injection and cross-site scr ...

Keywords: black-box testing, complete crawling, fault injection, security assessment, web application testing

12 Optimizing encoding: An evaluation of binary xml encoding optimizations for fast stream based xml processing

R. J. Bayardo, D. Gruhl, V. Josifovski, J. Myllymaki

May 2004 **Proceedings of the 13th international conference on World Wide Web WWW '04**

Publisher: ACM Press

Full text available: pdf(255.72 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper provides an objective evaluation of the performance impacts of binary XML encodings, using a fast stream-based XQuery processor as our representative application. Instead of proposing one binary format and comparing it against standard XML parsers, we investigate the individual effects of several binary encoding techniques that are shared by many proposals. Our goal is to provide a deeper understanding of the performance impacts of binary XML encodings in order to clarify the ongoing ...

Keywords: XML binary formats, XPath processing

13 Nontermination inference of logic programs

Etienne Payet, Fred Mesnard

March 2006 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 28 Issue 2

Publisher: ACM Press

Full text available: pdf(305.17 KB) Additional Information: full citation, abstract, references, index terms

We present a static analysis technique for nontermination inference of logic programs. Our framework relies on an extension of the subsumption test, where some specific argument positions can be instantiated while others are generalized. We give syntactic criteria to statically identify such argument positions from the text of a program. Atomic left looping queries are generated bottom-up from selected subsets of the binary

unfoldings of the program of interest. We propose a set of correct algor ...

Keywords: Logic programming, nontermination analysis, optimal termination condition, static analysis

14 An analysis of XML database solutions for the management of MPEG-7 media descriptions

Utz Westermann, Wolfgang Klas
December 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 4
Publisher: ACM Press

Full text available: pdf(448.76 KB) Additional Information: full citation, abstract, references, citings, index terms, review

MPEG-7 constitutes a promising standard for the description of multimedia content. It can be expected that a lot of applications based on MPEG-7 media descriptions will be set up in the near future. Therefore, means for the adequate management of large amounts of MPEG-7-compliant media descriptions are certainly desirable. Essentially, MPEG-7 media descriptions are XML documents following media description schemes defined with a variant of XML Schema. Thus, it is reasonable to investigate curren ...

Keywords: MPEG-7, XML database systems, multimedia databases

15 The complexity of XPath query evaluation and XML typing

Georg Gottlob, Christoph Koch, Reinhard Pichler, Luc Segoufin
March 2005 **Journal of the ACM (JACM)**, Volume 52 Issue 2
Publisher: ACM Press

Full text available: pdf(447.53 KB) Additional Information: full citation, abstract, references, citings, index terms

We study the complexity of two central XML processing problems. The first is XPath 1.0 query processing, which has been shown to be in PTIME in previous work. We prove that both the data complexity and the query complexity of XPath 1.0 fall into lower (highly parallelizable) complexity classes, while the combined complexity is PTIME-hard. Subsequently, we study the sources of this hardness and identify a large and practically important fragment of XPath 1.0 for which the combined complexity is L ...

Keywords: Complexity, DTD, LOGCFL, XML, XPath

16 Generic validation of structural content with parametric modules

Tyng-Ruey Chuang
October 2001 **ACM SIGPLAN Notices , Proceedings of the sixth ACM SIGPLAN international conference on Functional programming ICFP '01**, Volume 36 Issue 10
Publisher: ACM Press

Full text available: pdf(226.36 KB) Additional Information: full citation, abstract, references, citings, index terms

We demonstrate a natural mapping from XML element types to ML module expressions. The mapping is inductive and definitions of common XML operations can be derived as the module expressions are composed. We show how to derive, in a generic way, the validation function, which checks an XML document for conformance to its DTD (Document Type Definition). One can view validation as assigning ML types to XML elements and the validation procedure a pre-requisite for typeful XML programming in ML. Our m ...

Keywords: ML, XML, fixed points, functional programming, modules and interfaces, validation

17 Efficient path conditions in dependence graphs for software safety analysis

Gregor Snelting, Torsten Robschink, Jens Krinke
October 2006 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 15 Issue 4
Publisher: ACM Press
Full text available: pdf(602.28 KB) Additional Information: full citation, abstract, references, index terms

A new method for software safety analysis is presented which uses program slicing and constraint solving to construct and analyze *path conditions*, conditions defined on a program's input variables which must hold for information flow between two points in a program. Path conditions are constructed from subgraphs of a program's dependence graph, specifically, slices and chops. The article describes how constraint solvers can be used to determine if a path condition is satisfiable and, if s ...

Keywords: Safety analysis, information flow control, path condition, program slicing

18 Taxonomy of XML schema languages using formal language theory

Makoto Murata, Dongwon Lee, Murali Mani, Kohsuke Kawaguchi
November 2005 **ACM Transactions on Internet Technology (TOIT)**, Volume 5 Issue 4
Publisher: ACM Press
Full text available: pdf(1.34 MB) Additional Information: full citation, abstract, references, citings, index terms

On the basis of regular tree grammars, we present a formal framework for XML schema languages. This framework helps to describe, compare, and implement such schema languages in a rigorous manner. Our main results are as follows: (1) a simple framework to study three classes of tree languages (local, single-type, and regular); (2) classification and comparison of schema languages (DTD, W3C XML Schema, and RELAX NG) based on these classes; (3) efficient document validation algorithms for these cla ...

Keywords: XML, interpretation, schema, tree automaton, validation

19 A semantics for web services authentication

Karthikeyan Bhargavan, Cédric Fournet, Andrew D. Gordon
January 2004 **ACM SIGPLAN Notices , Proceedings of the 31st ACM SIGPLAN-SIGACT symposium on Principles of programming languages POPL '04**, Volume 39 Issue 1
Publisher: ACM Press
Full text available: pdf(234.06 KB) Additional Information: full citation, abstract, references, citings, index terms

We consider the problem of specifying and verifying cryptographic security protocols for XML web services. The security specification WS-Security describes a range of XML security tokens, such as username tokens, public-key certificates, and digital signature blocks, amounting to a flexible vocabulary for expressing protocols. To describe the syntax of these tokens, we extend the usual XML data model with symbolic representations of cryptographic values. We use predicates on this data model to d ...

Keywords: XML security, applied pi calculus, web services

20 Secure implementations of typed channel abstractions





Michele Bugliesi, Marco Giunti

January 2007 **ACM SIGPLAN Notices , Proceedings of the 34th annual ACM SIGPLAN-SIGACT symposium on Principles of programming languages POPL '07,** Volume 42 Issue 1

Publisher: ACM Press

Full text available: pdf(681.30 KB) Additional Information: full citation, abstract, references, index terms

The challenges hidden in the implementation of high-level process calculi into low-level environments are well understood [3]. This paper develops a secure implementation of a typed pi calculus, in which capability types are employed to realize the policies for the access to communication channels. Our implementation compiles high-level processes of the pi-calculus into low-level principals of a cryptographic process calculus based on the applied-pi calculus [1]. In this translation, the high-le ...

Keywords: full abstraction, language encodings, typed behavioral theories

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1 Path and cache conscious prefetching (PCCP)
Zhen He, Alonso Marquez
January 2007 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 16 Issue 2
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(582.94 KB) Additional Information: full citation, abstract

Main memory cache performance continues to play an important role in determining the overall performance of object-oriented, object-relational and XML databases. An effective method of improving main memory cache performance is to prefetch or pre-load pages in advance to their usage, in anticipation of main memory cache misses. In this paper we describe a framework for creating prefetching algorithms with the novel features of path and cache consciousness. Path consciousness refers to the use of ...

Keywords: Caching, Clustering, Databases, Prefetching

2 Demonstration based interfaces: Distributed augmentation-based learning: a learning algorithm for distributed collaborative programming-by-demonstration
Vittorio Castelli, Lawrence Bergman
January 2007 **Proceedings of the 12th international conference on Intelligent user interfaces IUI '07**
Publisher: ACM Press
Full text available: pdf(340.12 KB) Additional Information: full citation, abstract, references, index terms

The learning algorithms used in Programming-by-Demonstration (PBD) are either on-line and incremental or off-line and batch. Neither category is entirely suitable for capturing know-how from demonstrations in a distributed, collaborative environment, where multiple experts can independently provide examples to improve the model.In this paper we describe Distributed Augmentation-Based Learning (DABL), the first real-time PBD learning algorithm suited for distributed know-how acquisition. DABL is ...

Keywords: artificial intelligence, example-and demonstration-based interfaces, programming-by-demonstration

3 Content inspection: Fast and memory-efficient regular expression matching for deep packet inspection

Fang Yu, Zhifeng Chen, Yanlei Diao, T. V. Lakshman, Randy H. Katz
December 2006 **Proceedings of the 2006 ACM/IEEE symposium on Architecture for networking and communications systems ANCS '06**
Publisher: ACM Press
Full text available: pdf(1.21 MB) Additional Information: full citation, abstract, references, index terms

Packet content scanning at high speed has become extremely important due to its applications in network security, network monitoring, HTTP load balancing, etc. In content scanning, the packet payload is compared against a set of patterns specified as regular expressions. In this paper, we first show that memory requirements using traditional methods are prohibitively high for many patterns used in packet scanning applications. We then propose regular expression rewrite techniques that can effect ...

Keywords: DFA, deep packet, inspection, intrusion detection, regular expressions

4 XML data management and P2P: Bridging relational database history and the web: the XML approach
Fusheng Wang, Xin Zhou, Carlo Zaniolo
November 2006 **Proceedings of the eighth ACM international workshop on Web information and data management WIDM '06**
Publisher: ACM Press
Full text available: pdf(625.19 KB) Additional Information: full citation, abstract, references, index terms

The preservation of digital artifacts represents an unanswered challenge for the modern information society: XML and its query languages provide an effective environment to address this challenge because of their ability to support temporal information and queries, and make it easy to publish database history to the Web. In this paper, we focus on the problem of preserving, publishing, and querying efficiently the history of a relational database. Past research on temporal databases revealed the ...

Keywords: XML database, temporal database, temporal grouping, temporal query, xquery

5 Testing: Carving differential unit test cases from system test cases
Sebastian Elbaum, Hui Nee Chin, Matthew B. Dwyer, Jonathan Dokulil
November 2006 **Proceedings of the 14th ACM SIGSOFT international symposium on Foundations of software engineering SIGSOFT '06/FSE-14**
Publisher: ACM Press
Full text available: pdf(251.66 KB) Additional Information: full citation, abstract, references, index terms

Unit test cases are focused and efficient. System tests are effective at exercising complex usage patterns. *Differential unit tests* (DUT) are a hybrid of unit and system tests. They are generated by carving the system components, while executing a system test case, that influence the behavior of the target unit, and then re-assembling those components so that the unit can be exercised as it was by the system test. We conjecture that DUTs retain some of the advantages of unit tests, can be ...

Keywords: automated test generation, carving and replay, regression testing

6 Empirical methods and program understanding: Using task context to improve programmer productivity
Mik Kersten, Gail C. Murphy
November 2006 **Proceedings of the 14th ACM SIGSOFT international symposium on Foundations of software engineering SIGSOFT '06/FSE-14**

Publisher: ACM Press
Full text available: pdf(512.26 KB) Additional Information: full citation, abstract, references, index terms

When working on a large software system, a programmer typically spends an inordinate amount of time sifting through thousands of artifacts to find just the subset of information needed to complete an assigned task. All too often, before completing the task the programmer must switch to working on a different task. These task switches waste time as the programmer must repeatedly find and identify the information relevant to the task-at-hand. In this paper, we present a mechanism that captures, mo ...

Keywords: IDE, degree-of-interest, interaction history, program views, task management

7 Metadata handling: A video perspective
Chitra L. Madhwacharyula, Marc Davis, Philippe Mulhem, Mohan S. Kankanhalli
November 2006 **ACM Transactions on Multimedia Computing, Communications, and Applications (TOMCCAP)**, Volume 2 Issue 4
Publisher: ACM Press
Full text available: pdf(9.35 MB) Additional Information: full citation, abstract, references, index terms

This article addresses the problem of processing the annotations of preexisting video productions to enable reuse and repurposing of metadata. We introduce the concept of automatic content-based editing of preexisting semantic home video metadata. We propose a formal representation and implementation techniques for reusing and repurposing semantic video metadata in concordance with the actual video editing operations. A novel representation for metadata editing is proposed and an implementation ...

Keywords: Preexisting video, content, editing, metadata, representation, reuse, semantic

8 Systems session 3: assorted topics: Modelling dependency in multimedia streams
Alexander Eichhorn
October 2006 **Proceedings of the 14th annual ACM international conference on Multimedia MULTIMEDIA '06**
Publisher: ACM Press
Full text available: pdf(399.31 KB) Additional Information: full citation, abstract, references, index terms

Expressing and analysing data dependency in multimedia streams is promising, since content-aware policies at a transport level would benefit from such services. In this paper we present a format-independent dependency model aimed at specifying, validating and reasoning about structural dependency in multimedia streams. Based on this model, we developed a universal dependency description language and a dependency validation service to serve as an infrastructure for content-aware transport layers. ...

Keywords: content-aware media streaming, dependency, error control

9 OOPSLA practitioner reports chair's welcome: Secure trade lane: a sensor network solution for more predictable and more secure container shipments
Steffen Schaefer
October 2006 **Companion to the 21st ACM SIGPLAN conference on Object-oriented programming systems, languages, and applications OOPSLA '06**
Publisher: ACM Press
Full text available: pdf(520.95 KB) Additional Information: full citation, abstract, references, index terms

Due to globalization and especially with China becoming the world's production center, global trade is strongly increasing. The vast majority of all goods are shipped in ocean-going containers. Secure Trade Lane (STL) is a solution for making container shipments more predictable and more secure. The solution comprises an embedded controller that is mounted on ocean-going containers, and a sophisticated backend communicating with the embedded controller and integrating all trading partners. Both ...

Keywords: EPCglobal, GPRS, GPS, TREC, WCO, WSC, ZigBee, container tracking, embedded controller, mote, satellite communication, secure trade lane, sensor network

10 Security and protection: Packet decoding using context sensitive parsing

Sylvain Marquis, Thomas R Dean, Scott Knight
October 2006 **Proceedings of the 2006 conference of the Center for Advanced Studies on Collaborative research CASCON '06**
Publisher: ACM Press
Full text available: pdf(252.90 KB) htm(1.23 KB) Additional Information: full citation, abstract, references

Protocol tester is a project at RMC and Queen's that applies program transformation techniques to protocol data to evaluate the security of network applications. As part of this process, binary protocols are translated into a textual representation. This paper describes a translation process using a context sensitive parser that eliminates the need to write custom code to decode each individual protocol. It is a template driven top down parser augmented by a constraint engine. The constraint eng ...

11 Method-specific dynamic compilation using logistic regression

John Cavazos, Michael F. P. O'Boyle
October 2006 **ACM SIGPLAN Notices , Proceedings of the 21st annual ACM SIGPLAN conference on Object-oriented programming systems, languages, and applications OOPSLA '06**, Volume 41 Issue 10
Publisher: ACM Press
Full text available: pdf(320.89 KB) Additional Information: full citation, abstract, references, index terms

Determining the best set of optimizations to apply to a program has been a long standing problem for compiler writers. To reduce the complexity of this task, existing approaches typically apply the same set of optimizations to all procedures within a program, without regard to their particular structure. This paper develops a new method-specific approach that automatically selects the best optimizations on a per method basis within a dynamic compiler. Our approach uses the machine learning techn ...

Keywords: Java, Jikes RVM, compiler optimization, logistic regression, machine learning

12 XML-based document structure and analysis: Fast and simple XML tree differencing by sequence alignment

Tancred Lindholm, Jaakko Kangasharju, Sasu Tarkoma
October 2006 **Proceedings of the 2006 ACM symposium on Document engineering DocEng '06**
Publisher: ACM Press
Full text available: pdf(315.18 KB) Additional Information: full citation, abstract, references, index terms

With the advent of XML we have seen a renewed interest in methods for computing the difference between trees. Methods that include heuristic elements play an important role in practical applications due to the inherent complexity of the problem. We present a method for differencing XML as ordered trees based on mapping the problem to the domain of sequence alignment, applying simple and efficient heuristics in this domain,

and transforming back to the tree domain. Our approach provides a method ...

Keywords: XML, differencing, move, ordered tree, sequence alignment

13 Succinct ordinal trees with level-ancestor queries

Richard F. Geary, Rajeev Raman, Venkatesh Raman
October 2006 **ACM Transactions on Algorithms (TALG)**, Volume 2 Issue 4
Publisher: ACM Press
Full text available: pdf(472.00 KB) Additional Information: full citation, abstract, references, index terms

We consider *succinct* or space-efficient representations of trees that efficiently support a variety of navigation operations. We focus on static *ordinal* trees, that is, arbitrary static rooted trees where the children of each node are ordered. The set of operations is essentially the union of the sets of operations supported by previous succinct representations [Jacobson 1989; Munro and Raman 2001; Benoit et al. 1999] to which we add the *level-ancestor* operation.Our represen ...

Keywords: Succinct data structures, XML document representation

14 Implementing sorting in database systems

Goetz Graefe
September 2006 **ACM Computing Surveys (CSUR)**, Volume 38 Issue 3
Publisher: ACM Press
Full text available: pdf(518.63 KB) Additional Information: full citation, abstract, references, index terms

Most commercial database systems do (or should) exploit many sorting techniques that are publicly known, but not readily available in the research literature. These techniques improve both sort performance on modern computer systems and the ability to adapt gracefully to resource fluctuations in multiuser operations. This survey collects many of these techniques for easy reference by students, researchers, and product developers. It covers in-memory sorting, disk-based external sorting, and cons ...

Keywords: Key normalization, asynchronous read-ahead, compression, dynamic memory resource allocation, forecasting, graceful degradation, index operations, key conditioning, nested iteration

15 Research sessions: Research 16: XML views & filtering: AFilter: adaptable XML filtering with prefix-caching suffix-clustering

K. Selçuk Candan, Wang-Pin Hsiung, Songting Chen, Junichi Tatemura, Divyakant Agrawal
September 2006 **Proceedings of the 32nd international conference on Very large data bases - Volume 32 VLDB'2006**
Publisher: VLDB Endowment
Full text available: pdf(744.54 KB) Additional Information: full citation, abstract, references, index terms

XML message filtering problem involves searching for instances of a given, potentially large, set of patterns in a continuous stream of XML messages. Since the messages arrive continuously, it is essential that the filtering rate matches the data arrival rate. Therefore, the given set of filter patterns needs to be indexed appropriately to enable real-time processing of the streaming XML data. In this paper, we propose AFilter, an adaptable, and thus scalable, path expression filtering approach. ...

16 XSKETCH synopses for XML data graphs

Neoklis Polyzotis, Minos Garofalakis

September 2006 **ACM Transactions on Database Systems (TODS)**, Volume 31 Issue 3
Publisher: ACM Press
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Effective support for XML query languages is becoming increasingly important with the emergence of new applications that access large volumes of XML data. All existing proposals for querying XML (e.g., XQuery) rely on a pattern-specification language that allows (1) *path navigation and branching through the label structure* of the XML data graph, and (2) *predicates on the values* of specific path/branch nodes, in order to reach the desired data elements. Clearly, optimizing such quer ...

Keywords: XML, approximate query processing, data synopses, path expressions

17 A compressor for effective archiving, retrieval, and updating of XML documents
Jun-Ki Min, Myung-Jae Park, Chin-Wan Chung
August 2006 **ACM Transactions on Internet Technology (TOIT)**, Volume 6 Issue 3
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Like HTML, many XML documents are resident on native file systems. Since XML data is irregular and verbose, the disk space and the network bandwidth are wasted. To overcome the verbosity problem, research on compressors for XML data has been conducted. Some XML compressors do not support querying compressed data, while other XML compressors which support querying compressed data blindly encode tags and data values using predefined encoding methods. Existing XML compressors do not provide the fac ...

Keywords: Compression, XML, query processing

18 Session 10: security: Catching web crawlers in the act
Anália G. Lourenço, Orlando O. Belo
July 2006 **Proceedings of the 6th international conference on Web engineering ICWE '06**
Publisher: ACM Press
Full text available: pdf(317.46 KB) Additional Information: full citation, abstract, references, index terms

This paper recommends a new approach to the detection and containment of Web crawler traverses based on clickstream data mining. Timely detection prevents crawler abusive consumption of Web server resources and eventual site contents privacy or copyrights violation. Clickstream data differentiation ensures focused usage analysis, valuable both for regular users and crawler profiling. Our platform, named ClickTips, sustains a site-specific, updatable detection model that tags Web crawler traverse ...

Keywords: data webhousing, traverse patterns, web crawler, web usage mining

19 A large scale, corpus-based approach for automatically disambiguating biomedical abbreviations
Hong Yu, Won Kim, Vasileios Hatzivassiloglou, John Wilbur
July 2006 **ACM Transactions on Information Systems (TOIS)**, Volume 24 Issue 3
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Abbreviations and acronyms are widely used in the biomedical literature and many of them represent important biomedical concepts. Because many abbreviations are

ambiguous (e.g., *CAT* denotes both *chloramphenicol acetyl transferase* and *computed axial tomography*, depending on the context), recognizing the full form associated with each abbreviation is in most cases equivalent to identifying the meaning of the abbreviation. This, in turn, allows us to perform more accurate natur ...

Keywords: Word-sense disambiguation, data mining, information retrieval, machine learning

20 Estimation techniques: Graph-based synopses for relational selectivity estimation

Joshua Spiegel, Neoklis Polyzotis
June 2006 **Proceedings of the 2006 ACM SIGMOD international conference on Management of data SIGMOD '06**
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This paper introduces the Tuple Graph (TUG) synopses, a new class of data summaries that enable accurate selectivity estimates for complex relational queries. The proposed summarization framework adopts a "semi-structured" view of the relational database, modeling a relational data set as a graph of tuples and join queries as graph traversals respectively. The key idea is to approximate the structure of the induced data graph in a concise synopsis, and to estimate the selectivity of a query by p ...

Keywords: approximation, relational, selectivity, synopses

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